

Datasheet: MCA1341PE

Description:	MOUSE ANTI HUMAN CD5:RPE
Specificity:	CD5
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	MF7-14.5
Isotype:	IgG2a
Quantity:	100 TESTS

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
Reconstitution	Reconstitute with 1 ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% sodium azide (NaN ₃)		
Stabilisers	1% bovine serum albumin 5% sucrose		

**External Database
Links**

UniProt:

[P06127](#) [Related reagents](#)

Entrez Gene:

[921](#) CD5 [Related reagents](#)

Synonyms

LEU1

RRID

AB_321385

Specificity

Mouse anti Human CD5 antibody, clone MF7-14.5 recognizes the CD5 cell surface glycoprotein, a ~67 kDa antigen expressed by T lymphocytes and by a subset of B lymphocytes.

CD5 is also expressed by tumor cells in cases of B-cell Chronic Lymphocytic Leukemia (B-CLL).

Flow Cytometry

Use 10µl of the suggested working dilution to label 10⁶ cells or 100µl whole blood

References

1. Deka, C. *et al.* (2012) Lymphocyte analysis for monitoring the progression of immunodeficiency virus [Patent Application US20120264109 A1](#)

Storage

Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.
DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #20487 available at:
20487: <https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf>

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL:RPE \(MCA929PE\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M409252:221018'

Printed on 18 Oct 2022

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